# City of Soledad 1999 Solid Waste Generation Study

Prepared for City of Soledad P.O. Box 156 Soledad, CA 93960

and

Salinas Valley Solid Waste Authority 337 Melody Lane Salinas, CA 93901

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March 22, 2002

## City of Soledad 1999 Solid Waste Generation Study

#### Introduction

The Salinas Valley Solid Waste Authority (SVSWA) has sponsored this new solid waste generation study for the City of Soledad to better document the City's existing diversion and to employ the same documentation techniques for each of its member cities.

As reflected in its most recent AB 939 Annual Report, the City of Soledad has implemented all of its AB 939 programs designed to reach the City's diversion goal, including both residential and commercial recycling programs. However, in estimating the City's current diversion using the City's 1990 base year and the California Integrated Waste Management Board (CIWMB) adjustment factors, the diversion rate was estimated to be 52 percent for 1999, but 42% in 2000.

Recognizing the discrepancy between program implementation and its calculated diversion rate, the City can use a new Solid Waste Generation Study for the purpose of establishing a new (1999) more accurate base year.

Brown, Vence & Associates (BVA) has assisted the City in identifying existing diversion programs being implemented by the private sector and documented existing diversion tonnages for both City-sponsored programs and private sector recycling. This study demonstrates that the City's diversion rate in 1999 was 76% percent. A significant amount of this diversion has been carried out by institutions and private businesses. These efforts were not fully recognized in the 1990 base year and are not reflected in the City's 1999 or 2000 diversion rate using the adjustment factors.

## Methodology

BVA accumulated data for the solid waste generation study through:

- Written surveys completed by City staff documenting the City's in-house diversion
- Written and phone surveys completed by City Public Works staff documenting diversion from City sponsored projects
- Phone surveys to local and regional materials handlers, including recyclers and landscapers
- Phone surveys to local business and institutional generators
- On-site waste assessments conducted by Ecology Action staff at local businesses documenting the recycling and waste prevention practices
- Franchise hauler reports
- Department of Conservation recycling reports
- Garage Sale survey data

The written, phone and on-site surveys were conducted pursuant to the guidelines published in the CIWMB Diversion Study Guide. All diversion tonnages were

documented as actual tons diverted. No attempt was made to extrapolate the data across business sectors. BVA conducted a regional thrift store survey to justify the use of 425.7 tons of diversion for the City's thrift store, but has zeroed out the tonnage for this report due to lack of general consensus at the CIWMB as to appropriate counting methodology.

Material handlers were identified through use of regional phone books and Internet databases. Businesses selected for site visits were targeted as the largest employers and identified by City staff through the business license database.

### Summary of Waste Prevention and Recycling Audits

BVA successfully conducted 7 material handler surveys and 4 phone surveys of large commercial entities in the City. Ecology Action conducted an additional 11 total on-site waste assessments and city staff conducted 4. These assessments together documented 18,055.41 tons of diversion in the City. In order to avoid any double-counting, no tonnage was included in the site assessment tonnage from the franchise haulers, the contacted materials handlers, or for redemption value material. For example, if a business had a cardboard bin from the franchised hauler, this was noted but not included in the site assessment tonnage. However, if a business was baling and selling its cardboard, the tonnage was included.

The site assessments were essential to understanding the City's true diversion. Many businesses in the City participate in private recycling programs and practice waste prevention techniques not previously documented by the City. The site assessments were valuable in both documenting the City's diversion and identifying service voids. Several businesses were referred to the City's franchise hauler for recycling program enhancements.

Table 1 shows the results of the on-site waste assessments. The business names have been blacked out to protect any proprietary information and preserve confidentiality.

### New Base Year Study Calculation Details

Table 2 provides the New Base Year Calculation Details demonstrating that the City's 1999 diversion rate was 76 percent. The City has a per capita waste generation rate of 6 pounds per person per day. This rate is consistent with statewide averages.

#### Restricted Wastes

No restricted wastes were included in the waste generation study except for an increase after 1990 of 20 tons from the prison due to increased growth in activity and more emphasis on waste diversion. These programs qualify under Public Resource Code Section 41781.2 as a new (since 1990) City-sponsored program and may be included in the new base year.

#### **Conversion Factors**

Unless otherwise indicated, all conversion factors used in the solid waste generation study are those identified in Appendix J of the Diversion Study Guide.

### **Supplementary Documentation**

Attached to this report are the following supplementary documents:

• Department of Conservation Reports

## Base Year Modification Request Certification Form

Attached to this report is the Base Year Modification Request Certification Form. The City formally petitions the CIWMB to recognize its 1999 diversion rate and establish 1999 as the City's new base year.

## **DEPARTMENT OF CONSERVATION**

801 K Street, MS 22-57 Sacramento, CA 95814 (916) 327-2795 Phone (916) 323-0732 Fax



October 25, 2000

Kurt Hunter Recycling & Hazardous Materials Specialist Salinas Valley Solid Waste Authority 65 West Alisal Street Suite 210 Salinas, CA 93901

Dear Mr. Hunter:

This is in response to your letter sent to the Department of Conservation, Division of Recycling (Division) requesting and 1999 volume information for Gonzales, Greenfield, King City, Salinas, and Soledad.

Enclosed is the information you requested.

The information being provided by the Division is proprietary. It is being provided with the understanding that you will accept and protect the information in accordance with the requirements of Sections 14551(b) and 14554 of the Public Resources Code, and Section 6254.5 (e) of the Government Code.

In accordance with Section 2945, of the California Code of Regulations (Regulations), the Division is providing aggregated volume information (in pounds). The "received weight" includes other food and drink containers, as well as beverage containers covered by the Act.

If you have any questions regarding the information provided, please contact Kimberly Bryant at (916) 323-4748.

John Halligan

Supervisor

Data Analysis Section

Enclosure

CC: Ruth Abbe, Brown Vence & Associates

A252 :-	<b></b> .	Sum of AL	Sum of GL	Sum of PL	Sum of BI
CERT_ID		RCVD LBS	RCVD LBS	RCVD LBS	RCVD LBS
	City of Monterey	41,390,0	2,081,110.0	188,161.0	0.0
CS0320	City of Salinas	62,627.8	1,473,160.0	206,812.6	0.0
CS0690	City of King	3,473.2	133,591.0	11,716.3	
		107,5: 2.0	3,687,861.0	<del></del>	
RC0373	Monterey	28,5:4.0	662,352.0	7,661.0	0.0
RC10040	Salinas	0.0			<del></del>
RC1485	Salinas	47,101.0	151,750.0		1
RC3685	King City	0.0			
RC4216	Monterey	117,67 .0	360,961.0	1	
RC4641	Salinas	0.0			
RC5374	Salinas	59,301.0	235,040.0	I	
RC6929	Gonzales	87,644.5		<u> </u>	
RC6930	King City	127,633.5		<del></del>	
RC6931	Soledad	167,894.0	420,218.3		
RC6997	Salinas	370,685 0	810,840.0		
RC7069	Salinas	25,352.0			
RC7073	Monterey	14,261.0	81,332.0		<u> </u>
RC7818	Salinas	193,515.2	869,589.1		
RC7847	King City	139,479.0	277,805.0	1	
RC9061	Salinas	458,022.0	0.0	<del> </del>	
RC9062	Greenfield	179,747.0	305,600.0		
RC9893	Salinas	594,4519	1,378,551.2	97,903.0	0.0
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STATE OF CALIFORNIA

CALIFORNIA INTEGRATED WASTE MANAGEMENT BOARD

**Base Year Modification Request Certification** 

Part 1: Generation Study - No Extrapolation Diversion Data

To request a substitution for a previously approved base-year used in calculating the diversion rate for your jurisdiction, please complete and sign this form and return it to your Office of Local Assistance (OLA) representative at the address below, along with any additional information requested by OLA staff. When all documentation has been received, your OLA representative will work with you to prepare for your appearance before the Board. If you have any questions about this process, please call (916) 341-6199 to be connected to your OLA representative.

Mail completed documents to:

California Integrated Waste Management Board Office of Local Assistance 1001 I Street, 9th Floor PO Box 4025 Sacramento, CA 95812-4025

Genera	l Insi	truct	ions:
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Please select the ONE choice below that best explains your request to the Board.
☐ 1. Use a recent generation-based study to calculate our current reporting-year
generation amount, but not officially change our existing Board-approved base year.
☑ 2. Use a recent generation-based study to officially change our
existing Board-approved base year to a new base year.
The shaded cells on these sheets are protected. If you have problems
using these sheets, please contact your Office of Local Assistance representative.

All responde	Jurisdiction Informates must complete this se	ction.				
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Jurisdiction Na	ame		County			
City of Sol	edad		Montere	ev		
Authorized Sig	gnature Harris		Title	Commu	nity Develop	ment Director
Type/Print Mar	me of Person Signing		Date		Phone (	) Include Area Code
Bill Famel			3/27	1/07	831-678	-3963, x114
Person Compl	leting This Form (please print	or type)	Title		e- Brown, V	ence & Associates
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Affiliation:	Consultant	· · · · · · · · · · · · · · · · · · ·				
Mailing Addres	S		City	Sta	te	ZIP Code
48 Main St.,	P.O. Box 156	Soledad		CA		93960
-mail address	bfarrel@cityo	fsoledad.com			Ļ	

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City's diversion rate. 1999 is the most re	cent ye	ear in	which	both disposal and diversion data was a	vailab	le.	400000 41
4. Enter your diversion rates below.							
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If there is an increase between 4a and urrent diversion implementation efforts, ounds/person/day, please explain how to examples, e.g. change in jurisdiction coording to its most recent PARIS reported those of the private sector, are not agreement of the private sector. The proposed is specific reasons for the difference. (Fig. 2) is a simplemented a significant number of the proposed of the control of the proposed of the control of the proposed of the difference between the proposed of the control of the proposed of the difference between the proposed of the proposed	4b, ple If the p his is c s demo t, Sole ppropria docum dlers ar vities si  diversi or exar	ease ropos consistogran dad lately ented and so ince on ra mple:	explainesed nestent wohics. has impreflected diverselled was 1990.	n how the new diversion rate is consisted with your current diversion implementation plemented 30 diversion programs since ed in the City's current diversion rate. It is is a since the facilities. The increase in the pounds are facilities. The increase in the pounds are and 4b is greater than 5 percentage in the proved curbside diversion programs.)	nt with ease ir in effor 1990. The 19 ne City s per p	These 99 Was 's comrerson p	provide e efforts, ste mercial per day is
If there is an increase between 4a and urrent diversion implementation efforts, ounds/person/day, please explain how to my examples, e.g. change in jurisdiction occording to its most recent PARIS reported those of the private sector, are not appearation Study identified previously unusinesses and surveys of materials hand exult of the increase in the diversion activities.	4b, ple If the p his is c s demo t, Sole ppropria docum dlers ar vities si  diversi or exar	ease ropos consistogran dad lately ented and so ince on ra mple:	explainesed nestent wohics. has impreflected diverselled was 1990.	n how the new diversion rate is consisted with your current diversion implementation plemented 30 diversion programs since ed in the City's current diversion rate. It is is a since the facilities. The increase in the pounds are facilities. The increase in the pounds are and 4b is greater than 5 percentage in the proved curbside diversion programs.)	nt with ease ir in effor 1990. The 19 ne City s per p	These 99 Was 's comrerson p	provide e efforts, ste mercial per day is

		7.1
c. Some Disposal Reporting System data were corrected. (Please complete Reporting Year Tonnage Modification Request and Certification sheet	₹	7. Disposal Tonnage: (enter values)
corrected. (Please c	your disposal data al Reporting System t of hauler and self-h	2094
ompiete Reporting Year Tonnage Modification R	Non-residentual and complete the required tables. (No explanation required. Go to Section 8.) aul tonnage. (Please complete Reporting Year 1	4021
tequest and Certification sheet found at http://www.ciwmb.ca.gov/lgcentral/forms/rytnmdrq.doc	select the ONE choice below that best explains your <b>disposal</b> data and complete the required tables.  a. All tons claimed are from the Board's Disposal Reporting System (No explanation required. Go to Section 8.)  b. All tons claimed are from a 100 percent audit of hauler and self-haul tonnage. (Please complete Reporting Year Tonnage Request and Modification Certification sheet found at http://www.ciwrnb.ca.gov/lgcentral/forms/rytnmdrq.doc)	<b>8116</b>
entral/forms/rytnmdrq.doc)	www.ciwmb.ca.gov/igcentral/forms/rytnmdrq.doc)	

8. in the table below, list the summarized diversion activities, and diversion data records that support your claim and are available for Board audit. (Note: The Board expects the jurisdictions to be able to provide all back-up documentation, if requested) Include type of record and location—for example, weight tickets from transfer stations. This section should capture all diversion tonnage (form will perform all addition calculations). If any diversion is from restricted wastes, [agricultural wastes, inert solids (e.g., concrete, asphalt, cirt, etc.), white goods, and scrap metal) please identify those programs/waste types and fill out section 10. Please mark as Attachment 8 all copies of survey forms.

\*Please provide detailed Non-Residential waste information in Section 9.

\*Please provide detailed non-Residential waste audit information in Section 9.

Drop-off centers	Buyback centers	Curbside Recycling	Recycling	Reduction	Subtotal Residential Source	Enter program name	Enter program name	Enter program name	Enter program name	Garage Sales	Other Residential source reduction (list each program separately)	Grasscycling	Backyard composting	Residential Activities: Source Reduction	Please use the Board's program types. The program type glossary is online at: http://www.chymb.ca.gov/locentral/barts/codes/reduce.htm
	309	323		0	4,24 964,174 34,84 11. 11. 11. 11. 11. 11. 11. 11. 11. 11.					0	st each prog				Actual tons  (A)
	1.2%	1.3%		0.0%		0.0%	0.0%	0.0%	0.0%	0.0%	ram separately	%0.0			Izzing total soun Retable Percent to Total Generation (A/Total (A/Total Generation)
	aluminum, glass, plastic	paper, co-mingled containers								various					Diversion Activity  Actual tons  Actual tons
	actual	actual								.35 tons/garage sale					ration. Please be prepared to provide additional details subsentiating your claim.  Please be prepared to provide additional details subsentiating your claim.  Type of record and incudent of second.  Provide conversion fector used (if any) and Source.  Type of record and incudent of second.
															instituting your claim.  Type of record and location of record

Subtotal Non-Residential Source Reduction	Enter program name 1	Enter program name	Enter program name	Material Handlers	City Grasscycling	Other non-Residential source reduction (list each program separately)	Non-Residential Waste Audits*	Source Reduction	Non-Residential Activities:	Subtotal Residential Diversion	Subtotal Residential Composting	Enter program name	Uther Residential composting (list each program separately)	Christmas Tree program	Curbside green waste	Green waste drop-off	Composting	Subtotal Residential Recycling	Enter program name	Other Residential recycling (list each program separately)	codes/reduce.htm	The program type glossary is online at	Please use the Board's program types									
127				2	18	in (list each	65		意味 いったほう	879	247						ch program		247			631						program se	÷	€		
0.5%				%2.0	%1.0	program separa	0.3%			3.75	10%						separately)		1.0%			2.5%						parately)		(A/Total Generation)		Total Generation
				wood mulch	grasscycling	(April 2017)													green waste													Total Generation one box)
			actual, interview	Solor I Dou Sq Tryr		See Section 9												actual														Source (in any (in any) and Source
						See Section 9																										Type of record and location of record

DIVERSION ACTIVITY	Actual tons	Relative Percent to Total Generation	Relative Percent to Specific material type(s) (List operation wimultiple materials if Total Generation	Specific conversion factor used (if any) and Source	Type of record and location of record
Please use the Board's program types. The program type glossary is online at: http://www.ciwmb.ca.gov/lgcentral/paris/codes/reduce.htm	€	(Arrotal Generation)		は関係で を 1000 を 1000 を 1000 を 1000 と 1000	
Recycling					
Non-Residential Waste Audits*	11027	43.7%	See Section 9		
Other non-Residential recycling (list each program separately)	t each program	n separately)		vee vertion o	See Section 9
Material handlers	476	ſ			
Commercial bander	170		meat scrap, pallets		
Government Recycling	0/-			actual	
Enter program name	>	%A.O.	toner carindge (.01 tons)	: 5 lb/ea	7
Enter program name					
Subtotal Non-Residential Recycling					
	11378	45.1%			
Composting					
Non-Residential Waste Audits*	6744	26.7%	See Section 9		
Other non-Residential composting (list each program separately)	list each progr	ram separately)		Con Service	See Section 9
ADC	-		OG W		
Shadae	- 6		AUC		
Enter program name		%0.0	municipal		
Enter program name					
Enter program name					
Subtotal Non-Residential					
Building	6745	26.7%			
Subtotal Non-Residential Diversion	18250	72.3%			
Residential/Non- Residential					
Diversion Activities		- 27			在 1000 ·
ADC					
Sudge					
Construction and description			100		
Landfill salvage					
Subtotal Residential/Non-Residential					
diversion	0	%0.0 %0.0			
Total Res/Non-Res Source Reduction					
Tons	127	0.5%			
· · · · · · · · · · · · · · · · · · ·					
Total Diversion Tons	19129	75.8%			
					· · · · · · · · · · · · · · · · · · ·
Total Disposal Tons from Sec.7	6116	24.2%			
Total Generation Tons (Div+DIs)	25245				
Diversion Rafe	704				
7	10%	,			

#### 9: Specific Non-Residential Sector Waste Audits-Top 10 Non-Residential Generators

Please complete this table for the top 10 non-residential generators that were surveyed. List each non-residential generator separately from largest to smallest, based on total diversion tons. Audit reference number ties to your audit sheets.

(Form will perform all addition calculations).

Please provide an attachment 9 which includes all of the generators surveyed. Include for each generator (use type of generator in lieu of specific business name) diversion activity and material type and associated tonnage for each diversion activity/material type, and applicable conversion factors/sources. Include copies of survey form(s) used.

Type of Non-residential Generator	Audit Reference Number	Specific/Major Diversion Activities inclusing the second of the second o	Source Reduction Tons	Recycling Tons	Composting Tons	Total Diversion Tons	Percent of Total Generation (Total Diversion Tons/Total Generation in Section 8)	Survey Method Phone (P) Mait (M) On-site (D) Other
produce packing plant	JHPS02	produce cull,	0	10380	O	10380.272	41.1%	Р
correctional facility	HMPS01	paper, containers, green waste, metals, cans, wood, manure, clothing, OCC, rags	62	573	6744	7378.53		M/P
grape processor/winery	JHPS03	grape must	7					P
grocery store	JHPS01	OCC, damaged goods	2	73		74.65		Р
high school	StylesSA	paper, toner cartridges,	0	0		0.39		0
	StylesSB	paper, toner cartridges,	0	0		0.3425		ŏ
elementary school	StylesSC	toner cartridges, paper, tires	0	1		0.945		o l
elementary school	Styles SO	paper, toner cartridges,	0	Ö		0.2825		0
	Tol	<b>1.</b> 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	64.591	11026.82	6744.001	17835,412	70.6%	

Summarize the non-residential diversion activities for the top 10 generators quantification methodology, and applicable conversion factors and sources. (e.g. Cardboard recycling; quantified by monthly tonnage receipts provided by the contact person at the business)

The numbers in parentheses below correspond to numbers (1) through (8) of the top ten generators listed above.

Cardboard: (2) cardboard (345 reported tons), (4) 4 bales of OCC/week are picked up (700 lb/ea).

Produce cull: (1) This produce packing plant reported sending produce cull to cattle feed at a rate 10,380.27 tons in 1999.

Grape Must: (3) (OMITTED 6,000 tons hauled for compost).

Scrap Metal: (1) The scrap metal program began after 1990, recording 20 tons, twice per year(zeroed out). (2) post-1990 metals (20 reported tons),

Manure: (2) sent manure off-site for composting (6240 reported tons)

Grass/Tree Trimmings/Sawdust: (2) composted (504 reported tons).

Paper: (2) mixed paper (37 tons); (5) Of the 500 reams of paper purchased, 0.36 tons per year were reduced or reused: 15% through double-sided copying, 8% through routing memos and 5% through paper reuse. A ream is 5 ibs. (6) Of the 500 reams of paper purchased, 0.32 tons per year were reused or source reduced: 15% through double-sided copying, 5% through routing memos and 5% through paper reuse. (7) Of the 450 reams of paper purchased, 0.32 tons per year were reused or source reduced: 15% through double-sided copying, 10% through routing memos and 10% through paper reuse. (8) Of the 450 reams of paper purchased, 0.23 tons per year were reused or source reduced: 10% through double-sided copying, 5% through routing memos and 5% through paper reuse.

Plastics: (2) non-CRV PET (3 reported tons), HDPE (11 reported tons),

Steel Cans: (2): steel cans (66 reported tons),

Rendering: (2) rendering (1 reported ton),

Wood Waste: (2) from furniture (91 reported tons),

Tires: (7) 15 tires were recycled and 10 retreaded @45lb/ea for a total 0.56 tons.

Pallets: All pallet source reduction tonnages have been omitted from the calculations, but are recorded here as notation of their existence. (3) 3-4 pallets per month are backhauled (USEPA says 40 lb/ea or 0.84 tons/yr). (4) 50-60 pallets/week are backhauled (40lb, USEPA). 10% are Chep@ 65 lb/ea (actual) or 5.5 Chep pallets/week totaling 9.3 tpy (omitted). The remaining 49.5 pallets/week @ 40 lb/ea equals 51.48 tpy. (5) 180 pallets @ 45 lb/ea were returned to vendor and 15 were reused totaling 4.05 tons and 1.35 tons, respectively. (6) 150 pallets @ 45lb/ea were returned to vendor and 15 were reused totaling 3.4 tons and 1.35 tons, respectively. (7) 100 pallets @ 40lb/ea were returned to vendor and 90 were reused totaling 2 tons, respectively. (8) 110 pallets @ 45lb/ea were returned to vendor and 54 were reused totalling 2.47 tons and 1.2 tons, respectively.

Clothing: (2) clothing reuse (59 reported tons).

Rag reuse: (2) rags reuse (2 reported tons),

Steel Drum: omitted from calculations: (3) One steel drum/month is reused (UCLA lists 30 lb/ea or 0.18 tpy).

Plastic Drum: omitted from calculations: (3) One plastic drum/month is reused (UCLA lists 15 lb/ea or .09 tpy).

Damaged Goods: (4) Damaged goods are collected in banana boxes and returned to the warehouse for reuse/redistribution/donation equaling 10 boxes/month @ 30 lb/ea.

Food donation: (4) Food is donated twice/yr to a food kitchen(2x50 lb/load/yr) or 0.05 tpy.

Toner Cartridges: (5) 23 toner cartridges were recycled @ 2.5 lb/ea for a total of 0.03 tpy. (6) 18 toner cartridges were recycled @2.5 lb/ea for a total of 0.02 tpy. (7) 50 toner cartridges were recycled @2.5 lb/ea for a total of 0.0525 tpy.

Board Meeting November 19-20, 2002 Table 1 Documented Diversion by Generator

Agenda Item Attachment 2a

City of Soledad 1999 Tons/Yr Unit Freq. sion Factor Tons /Period Conver-Ŏţ Method Matl. Type Type of business Source City Ref. No.

Material Handlers	dlers									
JHHAUL2	Soledad	Tallow Hanler	Commercial	Must cores	a mil ou com					
TETT A TIT O		a marcon a remove	Commercial	Mical Sciap	let yelling	103 tons	year	_	103.20	103.20
JHHAULS	Soledad	Tallow Hauler	Commercial	Meat scrap	recycling	48 tons	Vear	7	48.40	10 40
JHHAUL16	Soledad	Pallet hauler	Commercial	Pallete	recycling	24 tone			1	40.42
11111 4111 22	_			22	100,0011116	SII(1) +7	year		74.00	74.00
77704006	Soledad	Tree Service	Commercial	Wood mulch	SR/reuse	Tons	Vear		50	8
JHHAUI 24	Soledad	Tree Service	Commercial	Wood mulch	en/		-		20.1	3
71111 1111		TICA OCIAICA	Commercial	WOOD MILITOR	SK/reuse	SUOI 71	year		2.00	15.00
JHHAUL23	Soledad	Tree Service	Commercial	Wood mulch	SR/reuse	31 fons	VPST		11 20	21 20
	Soledad	Thuist Change				2	7		77.70	21.40
TOLITA	Solcuan	THEIR Stores	Commercial	various	SR/reuse	426 tons	vear	-	425 70	000
									21.2	2000
					S	Subtotal from Material Handlers	erial Handler	ş		220

<b>Ecology Action Site Visits</b>	e Visits									
ASI		Motel	el	Commercial	cardboard	recycling	5.2 tons	Typest	100 0	00 0
AS2		Fast	Fast food	Commercial	cardboard	recycling	2001 P OI	1,500	0.00	0.00
AS3		Muf	Aulti-unit complex	Commorpiel		and a factor	10.4 (018)	year	0.00	0.00
4 6.4		Intar	II-um complex	Collinercial	aillminum	recycling	0.1 tons	year	00:00	00.0
AS4		Medical	ical	Commercial	cardboard	recycling	10.4 tons	vear	00.0	00 0
ASS		Store	e	Commercial	aluminum	recycling	0.1 tons	vear	00.0	00.0
AS6	•	Store	اد	Commercial	Paper & Cardboard	recycling	11.1 tons	vear	000	00.0
AS7		Fast	Fast food	Commercial	cardboard	recycling	10.4 tons	vear	800	00.0
AS8		Trail	railer Park	Commercial	laluminum	recycling	0 3 fons	Vear	00.0	00.0
AS9		Gas	Gas station	Commercial	aluminum	recycling		7 Cat	00.0	0.00
				Commercial	Glass bottle	recycling	1 O tons	Year	00.00	8.0
AS10		Mult	Multi-unit complex	Commercial	aluminum	recycling	5.1 tons	Vear	3.0	0.00
ASII		Mote	Motel/Trailer Pk.	Commercial	aluminum	recycling	0.5 tons	year	0.00	0.00
						<b>Sub</b>	Subtotal from Ecology Action	y Action		0.00

recycler         Residential         Aluminum         recycling         167894 lbs         year         83.95         83.95           Glass         recycling         420218.3 lbs         year         210.11         210.11           Plastic         recycling         29621.6 lbs         year         14.81         14.81           Name         Subtotal from DOC         308.87	II Conservation								
Glass         recycling         420218.3 lbs         year         23.53           Plastic         recycling         29621.6 lbs         year         14.81           Subtotal from DOC         ser         14.81		recycler	Residential	Aluminum	recycling	167804 libe	1,00F	03 05	20.00
recycling					3	10107	2541	65.50	00.00
recycling 29621.6 lbs year 14.81 Subtotal from DOC			_	Glass	recycling	420218.3 libs	Vear	210 11	210 11
				,				710.11	210.11
	-			Plastic	recycling	29621.611bs	vear	14.81	14 81
									10:51
						Subtotal Irom DOC			308.87

Franchise Hauler								
RA01	Tri-Cities Recycling Hauler	Hauler	Residential	Paper	187 tons	vear	187.03	187.03
			Residential	Commingled containers	136 tons	VP3F	135 60	135 60
			l			7.00	W. CC1	00.001
			Kesidential	Yard waste	247 tons	Vear	247 42	CP LPC
1			Commercial	Cardboard	176 tons	1,000	05 351	71.11
					r to long	year	1/3./9	1/3./9
					Subtotal Franchise Haulers	ulers		745.84

Board Meeting November 19-20, 2002 **Table 1 Documented Diversion by Generator** 

Agenda Item Attachment 2a

City of Soledad 1999

										only of Soledan 1993	and 1999
Ref. No.	City	Source	Type of business		Mati. Type	Method	O.	Unit	Conver- Fred sion Factor	Tons /Dariod	Tono, V.
Business Phone Surveys	e Surveys							1	1		1 Olisy 1 I
JHPS01	Soledad		Grocery Store	Commercial	Cardboard	recvoling	2 800 11.		1000		
					plastic crates	SR/reuse	500 US		week /UU ID/ea ba		72.80
					pallets	SR/reuse	1 980 lbs	T	Week	C7:0	0.00
					chep patlets	SR/reuse	358 lbs	T	West	66.0	0.00
					Damaged goods	SR/reuse	300 lbs		month	91.0	9.0
					donated food	SR/reuse	100	Γ	16	0.00	1.80
					meat scrap	recycling	400 lbs		Week	0.00	0.03
MPSO	Colected				wood scrap	burned as fuel	2.200 lbs		ar.	1 10	3
700	Dengin		Packing plant		Produce cuil	recycling	10.380 tons	Τ	ar actual	10 380 37	0.00
					Scrap metal (post 1990) recycling	recycling	40 tons	T	Т	40 00	10,380.2/
IHDOUS	Coloded				Cardboard	recycling	10 tons	Γ	٣	20.01	800
Cocumic	Soledad		Grape processing		Grape Must composted	composting	6.000 tons	Τ	Т	00000	9
					pallets	reuse	140 lbs	Π	Τ÷	20.000,0	86
					steel drums	reuse	30 lbs	Γ	month 30 lb/ea	0.0	0.00
НМВелі	Colodad				plastic drums	reuse	15 lbc	Τ	month 15 lb/ea	0.02	0.00
TOC IIII	Soledad		prison		mixed paper	recycling	37 tons	Τ	ar actual	10.0	0.00
					cardboard	recycling	345 tons	Τ		244 62	36.50
					landscape composting	composting	504 tons		1	\$04.00	344.82
					PET bottles	recycling	3 tons	Ì		2.46	304.00
					HDPE	recycling	11 tons.	Γ	1	1	3.43
					post 1990 metals-20%	recycling	20 tons	Г	1	20.02	00.11
						recycling	66 tons	Г	1	26.03	20.30
						recycling	1 tons	Γ	Г	60.00	6.9
					waste	recycling	91 tons	Γ	Г	8	00.00
					rags	SR/reuse	2 tons	Г		2.08	00 0
						composting	6,240 tons			6 240 00	240.00
					clothing	SR/reuse	59 tons		Т	50.43	50 42
					tires	recycling	2 tons	Π	1	25	000
						S	Subtotal Business Phone Surveys	Phone (	urveys		17,833.45
Landfill Diversion	ion	-					٠				
CIWMB	1	Landfill diversion 1999 Landfill		Commercial	ADC		0.7 tons	S vear		107.0	0.73
						Ġ.	Subtotal Landfill Divarcion	Divorcio		71.0	0.72
						}	AN WOLL	The Later of the L	=		0.72

City Departn	ents and Ci	City Departments and City Permitted Recycling Activities	ctivities							
CityData	Soledad	Survey	City							
			7,17		grasscycling	SR	18 tone	Vest CIWAD	00 01	
			IDPW				1	Jean Jerminin	18.30	18:30
					Breen waste	recycling	35 tone	vear 46 6015/cv	25 20	60
					Associated at the state of the		İ	15a TO:0710/Cy	33.00	99.5
					larenged sindge	reuse/SR	2.813 tons	Vegr 45 lb/off	2010 5	100
					7		ı	7-cat +3 in/cit	2,612.30	3.5
HWU	Caladad				loner carridges	recycling	13 hs	VP3r 7 516/20	100	
LOTATE	Soledad	city permits	garage sales	Recidential	0.00			2-a1 2.350/54	0.01	0.0
			20.00	Technique	VALIDUS	or reuse	147 Itons	1007	142 68	000

147 tons Subtotal City Depts

Board Meeting
November 19-20, 2002
Table 1 Documented Diversion by Generator

Agenda Item Attachment 2a

City of Soledad 1999

Ref. No.	City	Source	Type of business		Mati. Type	Method	Oty.	Jait Fre	Unit Freq. sion Factor Tons /Period	Tons /Period	Tons/Yr
City Schools											
City Centrolis											
StylesSA		Soledad High School	school	commercial	toner cartridges	recycling	0.03 tons	Γ	year 2.5lb/ea	0.03	0.03
					paper	reuse/SR	0.36 tons	15 year	r 51b/ream	0.36	0.36
					wood pallets	reuse/SR	5 tons	ıs year	r 45lb/ea	5.40	0.00
StylesSB		Main Street Middle Schlschool	school	commercial	рарег	reuse/SR	0.32 tons	1S year	1	0.32	0.32
					toner cartridges	recycling	0.02 tons	1S year	-	0.02	0.02
					wood pallets	reuse/SR	5 tons	18 year	r 45lb/ea	4.70	0.00
StylesSC		Gablian Elementary	school	commercial	toner cartridges	recycling	0.1 tons	ns year		90.0	90.0
					paper	reuse/SR	0.3 tons	15 year	ı	0.32	0.32
					wood pallets	reuse/SR	3.8 tons	ıs year	r 40lb/ea	3.80	0.00
		-			tires	recycling	0.6 tons	ns year	ır 451b/ea	0.56	0.56
					batteries	recycling	0.1 tons	ns year		0.13	0.00
StylesSD		San Vicente Elementary school	v school	commercial	рарег	reuse/SR	0.23 tons	ns year		0.23	0.23
					toner cartridges	recycling	0.1 tons	15 year	I	0.05	0.05
		_			wood pallets	reuse/SR	4 tons		vear 45th/ea	3 60	8

Total Diversion	19,129,0
Total Disposal	6.115.78
Diversion Rate	292
Generation	25.244.8
Population	23,100
Tons generated per capita	1.09
Pounds generated per person/day	0.9

Subtotal Schools

Soledad		
	se Year Generation Study 1999	
	ion Details	
		1999 tons
A	Residential Sector Summary	
	Residential Disposal (Franchise Hauler Data)	2,094.4
	Residential Recycling (Franchise Hauler Data)*	570.0
	AB 2020 Recycling (Department of Conservation Data	308.8
•	Materials Handlers	<u> </u>
<del>:</del>	Garage Sales	-
<del></del>	Residential Diversion Tonnage	878.92
	Residential Generation Tonnage	2,973.32
	Residential Diversion Rate	309
		· ·
В	Commercial and Industrial Sector Summary	
	Commercial Disposal (Franchise Hauler)	1,877.29
	Industrial Disposal (Franchise Hauler)	544.90
	Self-Haul (Landfill Records)	1,599.19
	Commercial Recycling (Franchise Hauler)**	175.79
	Materials Handlers	219.89
	Business Waste Assessments	17,835.41
	Public Works/City Departments	18.31
	Commercial Diversion Tonnage	18,249.40
	Commercial Generation Tonnage	22,270.78
	Commercial Diversion Rate	829
	Commercial Diversion Rate	62 /
С	Diversion Reported by Monterey County	<u> </u>
	Landfill Diversion	0.72
		······································
D	Overall 1999 Soledad Summary	
	1999 Disposal Tonnage	6,115.78
	1999 Diversion Tonnage	19,129.03
	1999 Generation Tonnage	25,244.81
	1999 Diversion Rate	769
	Paraent residential congretion	100
	Percent residential generation	12%
	Percent non-residential generation	88%

st includes paper, comingled containers, and yard waste

<sup>\*\*</sup>includes only cardboard

- **10**. For each restricted waste type (i.e., agricultural waste, inert solids, [e.g. concreter, asphalt, dirt, etc.] scrap metals and white goods [PRC section 41781.2]) and associated program, please provide the following information:
- a. If the diversion program started on or after January 1, 1990, complete the following table.

**Note**: program name refers to one specific diversion program for that waste type (e.g., "Diversion conducted by city public waste dept.".

Restricted Waste Ty	pe	Specific Program Name	Year Started	Tonnage
Pull Down for Waste Types	~	post- 1990 increase of 20%	post-1990	20
Pull Down for Waste Types	•	post- 1990 new program-zeroed out	post-1990	40
Pull Down for Waste Types	▼			
Pull Down for Waste Types	▼			
Pull Down for Waste Types	•			
Pull Down for Waste Types	•			

- **b.** If the diversion program started before January 1, 1990 and if documentation on the program and waste type has not been approved by the Board on a separate sheet marked "Attachment 10b", provide the documentation that indicates:
- How the diversion was the result of a local action taken by the jurisdiction, which specifically resulted in the diversion (PRC sec. 41781.2 [c] [1]).
- That the amount of that waste type diverted from the jurisdiction in 1990 was less than or equal to the amount of that waste type disposed at a permitted disposal facility by the jurisdiction in any year before 1990. (Note: this criterion is applicable to the entire jurisdiction, not to individual programs (PRC sec. 41781.2 [c] [2]). Please include documentation.
- That the jurisdiction is implementing, and will continue to implement, the diversion programs in its source reduction and recycling element.

Note: If documentation for a waste type and program has already been approved by the Board, you do	not have to
provide an attachment 10b for that waste type and program.	
Instead please provide date of Board approval of previously submitted information.	(Date)
If documentation is not available, go to 10d.	

**c.** If the diversion program started before January 1, 1990, and the documentation requested in 10b is available (but not yet approved by the Board), complete the table below for each program claimed:

Restricted Waste Ty	pe	Specific Program Name	New Base Year or Reporting Year Diversion Tonnage
Pull Down for Waste Types	-		
Pull Down for Waste Types	•		
Pull Down for Waste Types	₩		
Pull Down for Waste Types	▼		
Pull Down for Waste Types	▼		
Pull Down for Waste Types	<b>▼</b>		

d. If the diversion program started before January 1, 1990, and the documentation requested in 10b is not available, please complete the table below for each program claimed. **Note**: Only the difference between the new base year/reporting year and 1990 can be counted in the diversion rate calculation.

Restricted Waste Ty	ре	Specific Program Name	New Base Year or Reporting Year Tonnage	1990 Diversion Tonnage	Difference
Pull Down for Waste Types	_				
Pull Down for Waste Types	▼				
Pull Down for Waste Types	. ▼				
Pull Down for Waste Types	▼				
Pull Down for Waste Types	₩				
Pull Down for Waste Types	-				

Board	Mee	tin	g
Novemb	er	19-	20

		:									
425.70	year survey	year	426 tons	4	SR/reuse	various	Commercial	Thrift Stores		Soledad	MNOI
31.20	verbal report	year	31 tons		SR/reuse	Wood mulch	Commercial	Tree Service		Soledad	HHAUL25
12.00	verbal report	year	12 tons		recycling	Wood mulch	Commercial	Tree Service		Soledad	HIIAUL24
1.00	2tons/load	уеаг	l lons		SR/reuse	Wood mulch	Commercial	Tree Service		Soledad	HHAUL22
24.00	verbal report	year	24 tons		recycling	Pallets	Commercial	Pallet hauler		Soledad	HHAUL16
48.49	verbal report	уеаг	48 tons		recycling	Meat scrap	Commercial	Tallow Hauler		Soledad	III IAUL3
103.20	verbal report	year	103 tons	1	recycling	Meat scrap	Commercial	Tallow Hauler		Soledad	IHHAUL2
									Ē	dlers	Material Handlers
Tons /Period	Conver-sion Factor	Freq.	Unit	Qty.	Method	Matl. Type		Type of business	Source	City	Ref. No.
Attachment 9(City Revised)		1								November 19-20, 2002	November 19-20

Agenda item Attachment 2a

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				RA01	Franchise Hauler				RC6931	Department of Conservation		ASH	ASIO		AS9	AS8	AS7	AS6	AS5	AS4	AS3	AS2	ASI	Ecology Action Site Visits
	ĺ				se Hau					nent of														Action
					Ē					Conse														n Site 1
										rvation								١.						/isits
				Tri-Cit						_														
				Tri-Cities Recycling																				
				ycling	:																			
	_		$\mid$	Hauler	<u> </u>		F	-	тесу			Mo	Mu		Gas	Tra	Fast	Store	Store	Med	Mu	Fas	Motel	
				ler					recycler			Motel/Trailer Pk.	h-unit		Gas station	Trailer Park	Fast food	ė	Ġ	Medical	lti-unit	Fast food	<u> </u>	
					!							er Pk	Multi-unit complex			^					Multi-unit complex			
	Cor	Res	Res	Reg			L	L	Reg			င္ပ	L	Co	Co	Co	Co	Co	Co	င		င	င	
	Commercial	Residential	Residential	Residential					Residential		ĺ	Commercial	Commercial	Commercial	Commercial	Commercial	Commercial	Commercial	Commercial	Commercial	Commercial	Commercial	Commercial	
							٠				l	al		al	al		al	al		al	al	al		
	Cardboard	Yard waste	Commingled containers	Рарст			Plastic	Glass	Aluminum			aluminum	aluminum	Glass bottle	aluminum	aluminum	cardboard	Paper 4	aluminum	cardboard	aluminum	cardboard	cardboard	
	ard	aste	ngled c						mm			Ħ	m	ottle	Ħ	Ħ	ard	Paper & Cardboard	um	ard	um	ard	ard	
			ontaine															oard						
	┡		rs	_		;	rec	rec	rec		ŀ	nec	тес	rec	rec	rec	rec	rec	rec	rec	rec	Tec.	rec	
							recycling	recycling	recycling			recycling	recycling	recycling	recycling	recycling	recycling	recycling	recycling	recycling	recycling	recycling	recycling	
Š	L					Š	L			Ç	ا													
Subtotal Franchise Haulers						Subtotal from DOC	29	420	16	Papara Hom Protogy Action	htota													
Franci	176 tons	247 tons	136 tons	187 tons		from I	29621.6 lbs	420218.3 lbs	67894 lbs			0.5 tons	5.1 tons	1.0 tons	0.04 tons	0.3 tons	10.4 tons	11.1 tons	0.1 tons	10.4 tons	0.1 tons	10.4 tons	5.2 tons	
nise Ha	элѕ	ons	ons	ons		)OC	os	bs	bs	5201089	Pologo	Stro	ons	ons	ons	sno	ons	ons	ons	ons	ons	ons	ons	
ulers	year	year	year	уеаг			year	year	year	26	<u> </u>	i	уевг	year	year	уеаг	year	year	year	уеаг	year	year	уеаг	
	actual	actual	actual	actual			actual	actual	actual	•		A/N	N/A	N/A	N/A	N/A	N/N	N/A	N/A	N/A	N/N	N/A	N/A	
			-								f													
	175	247.42	135	187			14	210.1	83			0	0	0	0	0	0	0	0	0	0	0	٥	
	175.79	.42	135.60	187.03		İ	14.81		83.95		ł	0.00	0.00	0.00	0.00	0.00	.00	0.00	0.00	0.00	0.00	0.00	8	
7		2	1	_		ų		2																
745.84	175.79	247.42	135.60	187.03		308.87	14.81	210.11	83.95	0.00		0 8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	000	

Board Meeting November 19-20, 2002

Agenda Item Attachment 9(City Revised)

Tons/Yr		72.80	00:0	0.00	00.0	1.80	0.05	0.00	00.00	10,380.27]	00:0	00.0	00.0	00:0	00.0	00:00	36.50	344.82	504.00	3.45	,11.00	20.30	66.03	00:00	90.92	2.08	6,240.00	59.43	00.0	17,833.45
Tons /Period		1.40	0.25	0.99	0.18	0.15	0.05	0.20	1,10	10,380.27	40.00	00:01	00.000,9	0.07	0.02	0.01	36.50	344.82	504.00	3.45	11.00	20.30	. 66.03	00:00	26.06	2.08	6,240.00	59.43	1.54	
Factor		700 lb/ea bale	2 lb/ea	week  401b/ca	65 lb/ea	month 30 lb/ box	50 lb/load	V/N	N/A	actual	verbal report	verbal report	verbal report	month 40 lb/ea	month 30 lb/ea	month 15 lb/ea	actual	actual	actual	actual	actual	actuai	actual	actuai	actual	actual	actual	actual	actual	eys
Freq.		week	week 2 lb/ea	week	week	month	уеат	week	ycar	year	year	year	year	month	month	month	year	year	year		year	year	year	year	year	year	year	year	year	ne Surv
Unit		sq	sq	sq	sc	sc	SO	SC	sc	Suc	ons	ons	ons	şq	ps	şq	suo	ons	ons	3 tons	11 tons	ous	ons	tons	ons	2 tons	ons	ons	2 tons	ess Phoi
Otò.		2,800 lbs	500 lbs	1,980 [lbs	358 lbs	300 lbs	100 lbs	400 lbs	2,200 lbs	10,380 tons	40 tons	10 tons	6,000 tons	140 lbs	30 lbs	sq1 S1	37 tons	345 tons	504 tons	3 t	11 t	20 tons	66 tons	1 1	91 tons	2 t	6,240 tons	59 tons	2 t	Subtotal Business Phone Surveys
Method		recycling	SR/reuse	SR/reuse	SR/reuse	SR/rcuse	SR/reuse	recycling	burned as fuel	тесусіпд	recycling	recycling	composting	reuse	reuse	reuse	recycling	recycling	composting	recycling	recycling	recycling	recycling	recycling	recycling	SR/reuse	composting	SR/rcuse	recycling	<b>3</b> 7
Matl. Type		Cardboard	plastic crates	pallets	chep pallets	spoo		meat scrap		-	Scrap metal (post 1990)		Grape Must composted		steel drums	plastic drums			landscape composting			post 1990 metals-20%	steel cans		wood waste	rags	ure	clothing	tires	
		Commercial																												
Type of business		Grocery Store								Packing plant			Grape processing				prison													
Source																														
City	e Surveys	Soledad -								Soledad			Soledad				Soledad													
Ref. No.	Business Phone Surveys	JHPS01								JHPS02			JHPS03				HMPS01													

					I
	Subtotal L	Landfill Divers	ion	-	0.72

City Departn	nents and City	City Departments and City Permitted Recycling Activities	Activities								
CityData	Soledad	Survey	City		grasscycling	SR	18 tons	year (	CIWMB	18.30	18.30
			DPW		green waste	recycling	35 tons	year	year 46.691b/cy	35.00	0.00
					dredged sludge	reuse/SR	2,813 tons	year	year 45 lb/cft	2,812.50	00.00
				,	toner cartridges	recycling	13 lbs	year 2	2.5lb/ea	0.01	0.01
HM01	Soledad	city permits	garage sales	Residential	various	SR/reuse	147 tons	year survey	survey	146.65	00.0
							Subtotal City Dents				18.31

School   Commercial   Toner cartridges   Tecycling   Commercial   Toner cartridges   Tecuse/SR   Commercial   Paper   Teuse/SR   Commercial   Paper   Teuse/		yvai	7 10119					
School   Commercial   Ioner cartridges   recycling   0.03   Ions   year   2.5   year   2.5   year   0.03	1	Vegr	4 tone	reuse/SR	lwood pallets			
School   Commercial   Ioner cartridges   Fecycling   0.03 tons   year   2.5lb/ea   0.03		year	0.1 tons	recycling	toner cartridges			
School   Commercial   Ioner cartridges   Trecycling   0.03 Ions   year   2.5lb/ea   0.03	ł	year	0.23 tons	reuse/SR	paper	commercial	school	StylessID
School   Commercial   Ioner cartridges   Tecycling   0.03   Ions   year   2.5lb/ea   0.03		year	0.1 tons	recycling	batteries			
School   Commercial   Ioner cartridges   Tecycling   0.03 Ions   year   2.5lb/ea   0.03		уеаг	0.6 tons	recycling	tires			
School   Commercial   Ioner cartridges   Tecycling   0.03   Ions   year   2.5lb/ea   0.03	_	уеаг	3.8 tons	reuse/SR	wood pallets			
School   Commercial   Ioner cartridges   Trecycling   0.03 Ions   year   2.5lb/ea   0.03	L	year	0.3 tons	reuse/SR	paper			
School   Commercial   Ioner cartridges   Trecycling   0.03   Ions   year   2.5lb/ea   0.03	L	уеаг	0.1 tons	recycling	toner cartridges	commercial	school	StylesSC
School   Commercial   Ioner cartridges   Trecycling   0.03 Ions   year   2.5lb/ea   0.03		year	5 tons	reuse/SR	wood pallets			
School   Commercial   Ioner cartridges   Trecycling   0.03 tons   year   2.5lb/ea   0.03		year	0.02 tons	recycling	toner cartridges			
school commercial ioner cartridges recycling 0.03 lons year 2.5lb/ea 0.03  paper reuse/SR 0.36 tons year 5lb/ream 0.36  wood pallets reuse/SR 5 tons year 45lb/ea 5.40		year	0.32 tons	reuse/SR	paper	commercial	school	StylesSB
school commercial toner cartridges recycling 0.03 tons year 2.5lb/ea 0.03  paper reuse/SR 0.36 tons year 5lb/ream 0.36		year	5 tons	reuse/SR	wood pallets			
school commercial loner carringes recycling 0.03 lons year 2.51b/ea 0.03		year	0.36 tons	reuse/SR	paper			
	2.5lb/ea	year	0.03 tons	recycling	toner cartridges	commercial	school	StylesSA

6.0	rounds generated per person/day
1.09	Tons generated ber capita
23,100	горианол
25,244.8	Ceneration
76%	DIVERSION NATE
	The same of the sa
6,115.78	Total Disposal
19,129.0	Total Diversion